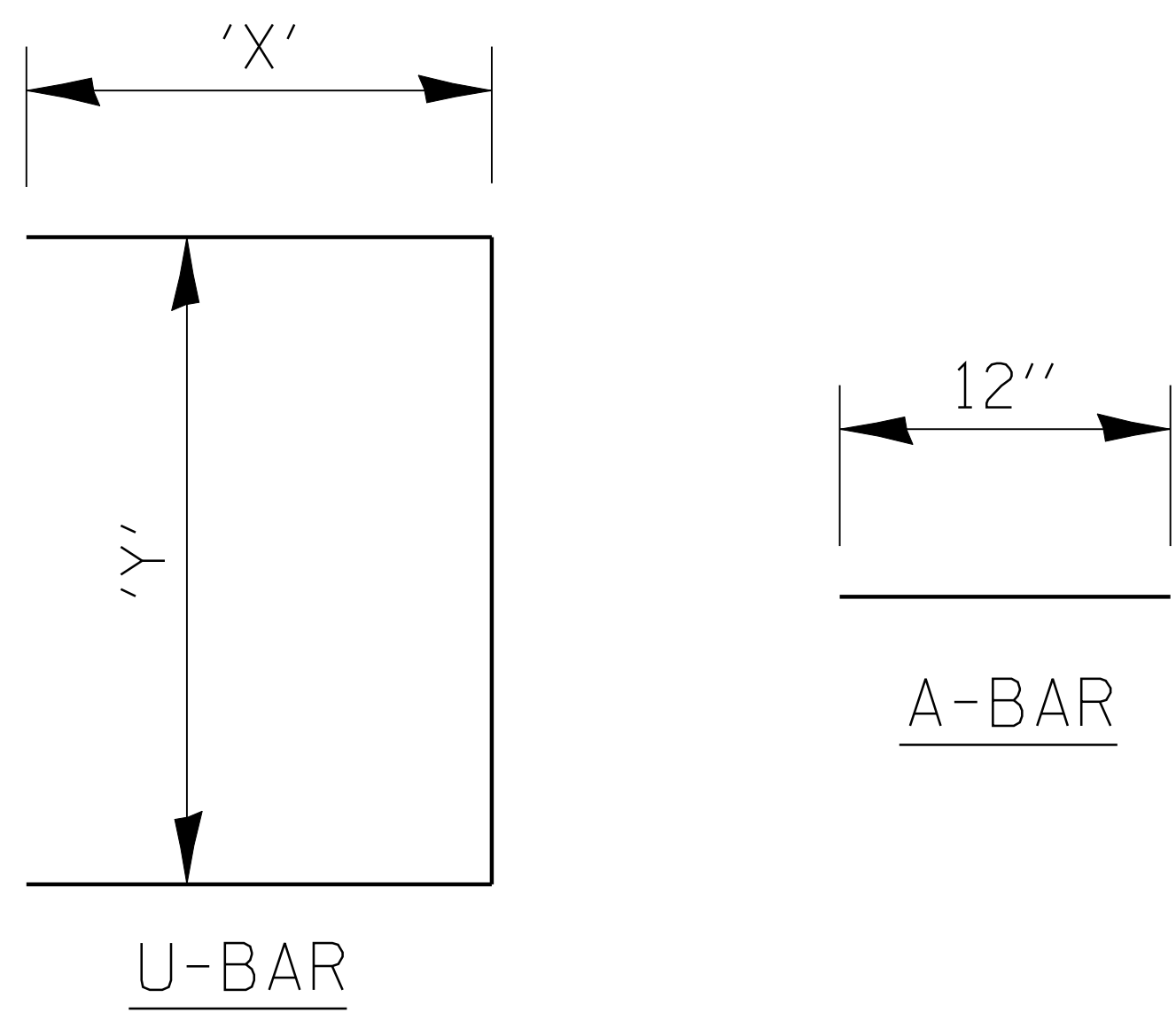


EXPANSION BOLTS SHALL CONSIST OF SELF DRILLING EXPANSION SHIELDS AND 3/4" DIA. HOOKED BOLTS. HOOKED BOLTS SHALL EXTEND A MINIMUM OF 9" INTO NEW CONCRETE.
 MINIMUM CERTIFIED PROOF LOAD = 4,080 LBS



LOCATION	EXISTING CULVERT SIZE	PIPE DIMENSION	PIPE AREA	EXTENSION COLLAR		A-BAR	U-BAR		CLASS SI CONC. COLLAR	REINFORCEMENT BARS	3/4" DIA. EXPANSION BOLTS
				WIDTH	HEIGHT		12	'X'			
				IN.	IN.	IN.	IN.	IN.			
	DIA. IN.	DIA. IN.	SQ. FT.	IN.	IN.	IN.	IN.	IN.	CU. YD.	POUND	EACH

COLLAR DETAIL (R.C.C.P. EXTENSION OF PIPE CULVERT)